Product family overview



TIC501

Easy detection and classification of vehicles

SICK
Sensor Intelligence.



Technical data overview

Application	Traffic management
System components	LMS511 SE
Scanner design	1-scanner solution
Installation position	Overhead or laterally
Integrated application	Vehicle classification Vehicle counting
Axle counting option	No
Number of covered lanes	Up to 4 lanes
System extension	Up to 16 lanes
Trigger lines	Max. 15 m (Calculated)
Counting accuracy	> 99.8 % (overhead detection of 2 lanes with one LMS511 SE)
Classification accuracy	Typ. 96 % (For TLS8+1 classes, overhead detection of 2 lanes)
Weight	4.4 kg
Ambient operating temperature	–40 °C ... +60 °C

Product description

The TICx01 (traffic information collector) profiling system is designed for traffic management optimization in free-flowing traffic. With just one sensor, vehicles of all types are detected in several lanes, thereby keeping installation and commissioning costs low. The TICx01 can either be installed over lanes, between two lanes or next to the road on street lamps and poles. The measurement data recorded can be used to generate a 3D model of each vehicle. This data allows for classifying vehicles in up to 30 classes.

At a glance

- Vehicle counting and classification in free-flowing traffic
- Data output as a point cloud
- Data history of the last 50 vehicles detected in the user interface
- TCP/IP interface for data transmission
- Event logging and monitoring of system status

Your benefits

- Reliable vehicle detection and classification in several vehicle lanes
- Continuous detection of traffic data, even with temporary modifications to lanes, for example around construction sites
- Flexible output of up to 30 vehicle classes, e.g. TLS 8+1, TLS 5+1, TLS 2+1 or Swiss 10
- Quick, easy and cost-effective mounting without installation into the road surface
- Can be used in all climate zones from –40 °C to +60 °C thanks to the expanded temperature range
- Quick data access due to storage directly in the customer system via FTP or UNC transmission
- Easy commissioning and operation thanks to an intuitive configuration wizard

Fields of application

- Traffic management
- Traffic analysis
- Induction loops substituted at traffic counting stations

Ordering information

Other models and accessories ➜ www.sick.com/TIC501

Items supplied	Integrated application	Type	Part no.
2D LiDAR sensor LMS511 SE Traffic Controller TIC with TIC software including USB Stick with TEMS info sample client, source code for TEMS info sample client, TEMS analyzer and operating instructions	Vehicle classification, vehicle counting	TIC501	1069322

SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is “Sensor Intelligence.”

WORLDWIDE PRESENCE:

Contacts and other locations –www.sick.com